

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI HEAVY IND LTD

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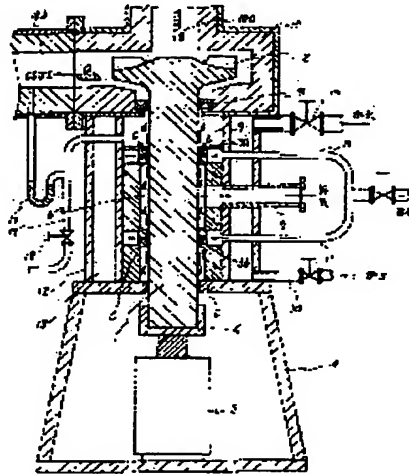
(72)Inventor : KAWAGUCHI KATSUYUKI  
MIHARA MITSUO

## (54) SEALING SYSTEM FOR AXIS OF BLOWER FOR PRESSURE TRANSPORTATION OF POISONOUS GAS

### (57)Abstract:

**PURPOSE:** To ensure the prevention of gas leakage by controlling sealing gas pressure in conformity with the outlet pressure of an impeller.

**CONSTITUTION:** Approximately half of a gas used by an upper gas bearing 3a flows into a sealing chamber 9 provided between a labyrinth fin 8 and the gas bearing 3a. As the pressure difference between the pressure in the sealing chamber 9 and that at the outlet 10b stream is indicated by a manometer 16, the pressure is controlled in such a manner that the pressure in the sealing chamber 9 is higher than that at the outlet 10b of the stream, using a control valve 18. Thus the leakage of CO and other gases can be prevented certainly.



## LEGAL STATUS

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